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Sheet 1 of 5

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 BATES & TRADEMARK LIFE	Docket Number:	Application Number:
	13615.IUSU2	09/816,876
	Applicant: HOM ET AL.	
Filing Date:	03/23/2001	Group Art Unit: 1645

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,224,179	09/23/1980	Schneider			
	4,231,877	11/04/1980	Yamauchi et al.			
	4,235,871	11/25/1980	Papahadjopoulos et al.			
	4,247,411	01/27/1981	Vanierbergh et al.			
	4,394,448	07/19/1983	Szoka, Jr. et al.			
	4,399,216	08/16/1983	Axel et al.			
	4,668,770	05/26/1987	Boger et al.			
	4,673,567	06/16/1987	Jizomoto			
	4,676,980	06/30/1987	Segal et al.			
	4,736,866	04/12/1988	Leder et al.			
	4,753,788	06/28/1988	Gamble			
	4,814,270	03/21/1989	Piran			
	4,816,567	03/28/1989	Cabilly et al.			
	4,870,009	09/26/1989	Evans et al.			
	4,880,781	11/14/1989	Hester, Jr. et al.			
	4,897,355	01/30/1990	Eppstein et al.			
	5,010,182	04/23/1991	Brake et al.			
	5,145,684	09/08/1992	Liversidge et al.			
	5,162,538	11/10/1992	Voges et al.			
	5,250,565	10/05/1993	Brooks et al.			
	5,364,934	11/15/1994	Drayna et al.			
	5,374,652	12/20/1994	Buzzetti et al.			
	5,376,542	12/27/1994	Schlegal			
	5,475,138	12/12/1995	Pal et al.			
	5,602,169	02/11/1997	Hewawasam et al.			
	5,602,175	02/11/1997	Talley et al.			
	5,625,031	04/29/1997	Webster et al.			
	5,631,405	05/20/1997	Pal et al.			

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

Date Mailed: July 10, 2001

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TECH CENTER 1600  
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FORM 1449 INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)			Docket Number: 13615.IUSU2	Application Number: 09/816,876
			Applicant: HOM ET AL.	
			Filing Date: 03/23/2001	Group Art Unit: 1643

	5,663,200	09/02/1997	Bold et al.			
	5,708,004	01/13/1998	Talley et al.			
	5,733,882	03/31/1998	Carr et al.			
	5,760,076	06/02/1998	Vazquez et al.			
	5,807,891	09/15/1998	Bold et al.			
	5,831,117	11/03/1998	Ng et al.			
	5,849,911	12/15/1998	Fassler et al.			
	5,922,770	07/13/1999	Peschke et al.			
	5,935,976	08/10/1999	Bold et al.			
	6,013,658	01/11/2000	Lau et al.			
	6,045,829	04/04/2000	Liversidge et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	3 610 593 A1	10/01/1987	DE with English abstract				
	3 721 855 A1	09/22/1988	DE with English abstract				
	4 003 575 A1	08/08/1991	DE with English abstract				
	0 036 776 A2	09/30/1981	EP				
	0 073 657 A1	03/09/1983	EP				
	0 117 058 A2	08/29/1984	EP				
	0 117 060 A2	08/29/1984	EP				
	0 173 441 A1	05/03/1986	EP				
	0 209 897 A2	01/28/1987	EP				
	0 212 903 B1	03/04/1987	EP				
	0 264 106 B1	04/20/1988	EP				
	0 274 259 B1	07/13/1988	EP				
	0 320 205 A1	06/14/1989	EP				
	0 337 714 A2	10/18/1989	EP				
	0 362 179 A2	04/04/1990	EP				
	0 372 537 A3	06/13/1990	EP with English abstract				

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FORM 1449 <b>INFORMATION DISCLOSURE STATEMENT</b> IN AN APPLICATION (Use several sheets if necessary)			Docket Number: 13615.1USU2	Application Number: 09/816,876
			Applicant: HOM ET AL.	
			Filing Date: 03/23/2001	Group Art Unit: 1645

*JUL 27 2001  
PTO-1449*

✓	0 437 729 A2	07/24/1991	EP with English abstract			
	0 609 625 A1	08/10/1994	EP			
	2 203740 A	10/26/1988	GB			
	2 211 504 A	07/05/1989	GB			
	62-246546	10/27/1987	JP with English abstract			
	7-126286	05/16/1995	JP with English abstract			
	WO 87/02986	05/21/1987	PCT			
	WO 87/04349	07/30/1987	PCT			
	WO 87/05330	09/11/1987	PCT			
	WO 89/00161	01/12/1989	PCT			
	WO 89/01488	02/23/1989	PCT			
	WO 89/05859	06/29/1989	PCT			
	WO 90/13646	11/15/1990	PCT with English abstract			
	WO 91/00360	01/10/1991	PCT			
	WO 92/00750	01/23/1992	PCT			
	WO 92/17490	10/15/1992	PCT			
	WO 92/20373	11/26/1992	PCT			
	WO 93/02057	02/04/1993	PCT			
	WO 93/08829	05/13/1993	PCT			
	WO 93/17003	09/02/1993	PCT			
	WO 97/30072	08/21/1997	PCT			
	WO 98/29401	07/09/1998	PCT			
	WO 98/33795	08/06/1998	PCT			
	WO 98/50342	11/12/1998	PCT			
	WO 99/41266	08/19/1999	PCT			
✓	WO 99/54293	10/28/1999	PCT with English abstract			
✓	WO 01/10387 A2	02/15/2001	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓		Arrowsmith, R.J. et al., "Amino-Alcohol Dipeptide Analogues: A Simple synthesis of a Versatile Isostere fro the evelopment of Proteinase Inhibitors", <i>Tetrahedron Letters</i> , Vol. 28, No. 45, pp. 5569 - 5572 (1987)
✓		Askin, D. et al., "Highly Diastereoselective Alkylation of Chiral Amide Enolates: New Routes to Hydroxyethylene Dipeptide Isostere Inhibitors of HIV-1 Protease", <i>J. Org. Chem.</i> , Vol.57, No. 10, pp. 2771 - 2773 (May 8, 1992)

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	1/25/06
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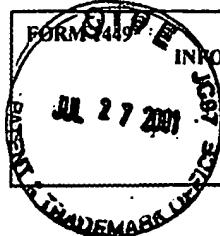
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**INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION**  
(Use several sheets if necessary)

Docket Number: 13615.I1USU2	Application Number: 09/816,876
Applicant: HOM ET AL.	
Filing Date: 03/23/2001	Group Art Unit: 1645

		Diederich, A. et al., "Stereoselective Synthesis of a Hydroxyethylene Dipeptide Isostere", <i>Tetrahedron Letters</i> , Vol. 34, No. 39, pp. 6169 - 6172 (September 24, 1993)
		Dragovich, P. et al., "Structure-Based Design, Synthesis, and Biological Evaluation of Irreversible Human Rhinovirus 3C Protease Inhibitors. 3. Structure—Activity Studies of Ketomethylene-Containing Peptidomimetics", <i>J. Med. Chem.</i> , Vol. 42, No. 7, pp. 1203 - 1212 (April 8, 1999)
		Ghosh, A. et al., "Design of Potent Inhibitors for Human Brain Memapsin 2 ( $\beta$ -Secretase)", <i>J. Am. Chem. Soc.</i> , Vol. 122, No. 14, pp. 3522 - 3523 (April 12, 2000)
		Gould, P., "Salt selection for basic drugs", <i>International Journal of Pharmaceutics</i> , Vol. 33, Nos. 1 - 3, pp. 201 - 217 (November 1986)
		Greene, T. et al., "Protective Groups in Organic Synthesis", Second Edition, <i>John Wiley &amp; Sons, Inc.</i> , Ch. 7, Protection for the Amino Group: Cabamates, pp. 327 - 335 (1991).
		Henning, R., "A. Synthetic Routes to Different Classes of Natural Products and Analogs Thereof", <i>Organic Synthesis Highlights II</i> , Edited by Herbert Waldmann, VCH Publishers, New York, NY, pp. 251 - 259 (1995)
		Hon, Y-S et al., "The Studies of Metal Ion Catalyzed Carbon-Hydrogen Insertion of $\alpha$ -Alkoxy- $\alpha'$ -Diazoketones Derived from Mandelic and Lactic Acids", <i>Heterocycles</i> , Vol. 31, No. 10, pp. 1745 - 1750 (1990)
		Hong, L. et al., "Structure of the Protease Domain of Memapsin 2 ( $\beta$ -Secretase) Complexed with Inhibitor", <i>Science</i> , Vol. 290, No. 5489, pp. 150 - 153 (October 6, 2000)
		Kaldor, S. et al., "Isophthalic Acid Derivatives: Amino Acid Surrogates for the Inhibition of HIV-1 Protease", <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , Vol. 5, No. 7, pp. 721 - 726 (April 6, 1995)
		Larock, R., "Comprehensive Organic Transformations – A Guide to Functional Group Preparations", <i>VCH Publishers, Inc.</i> , pp. 972 - 985 (1989)
		Li, Y. et al., "Photoactivated $\gamma$ -secretase inhibitors directed to the active site covalently label presenilin 1*", <i>Nature</i> Vol. 405, No. 6787, pp. 689 - 694 (June 8, 2000)
		Luly, J. et al., "A Synthesis of Protected Aminoalkyl Epoxides from $\alpha$ -Amino Acids", <i>J. Org. Chem.</i> , Vol. 52., No. 8., pp. 1487 - 1492 (April 17, 1987)
		Martin, S. et al., "Application of AI <i>Me</i> -Mediated Amidation Reactions to Solution Phase Peptide Synthesis", <i>Tetrahedron Letters</i> , Vol. 39, pp. 1517 - 1520 (1998)
		Moersch, G.W. et al., "The Synthesis of $\alpha$ -Hydroxycarboxylic Acids by Aeration of Lithiated Carboxylic Acids in Tetrahydrofuran Solution", <i>International Journal of Methods in Synthetic Organic Chemistry</i> Vol. 12, pp. 647 - 648 (December 1971)
		Sabbagh, M. et al., " $\beta$ -Amyloid and Treatment Opportunities for Alzheimer's Disease", <i>Alzheimer's Disease Review</i> 3, pp. 1 - 19 (1997)
		Sakurai, M. et al., "A New Synthetic Route for the $\gamma$ -Lactone Precursors of Hydroxyethylene Dipeptide Isosteres", <i>Tetrahedron Letters</i> ", Vol. 34, No. 37, pp. 5939 - 5942 (September 10, 1993)
		Sakurai, M. et al., "Studies of HIV-1 Protease Inhibitors. II. Incorporation of Four Types of Hydroxyethylene Dipeptide Isosteres at the Scissile Site of Substrate Sequences", <i>Chem. Pharm. Bull.</i> , Vol. 41, No. 8., pp. 1378 - 1386 (1993)
✓		Selkoc, D., "Translating cell biology into therapeutic advances in Alzheimer's disease", <i>Nature</i> Supplement to Vol. 399, No. 6733, pp. A23 - A31 (June 24, 1999)
✓		Shibata, N. et al., "An Expedited Synthesis of (2R,3S)- 3- <i>tert</i> -Butoxycarbonylamino-1-isobutylamino-4-phenyl-2-butanol, a Key Building Block of HIV Protease Inhibitors", <i>Tetrahedron Letters</i> , Vol. 38, No. 4, pp. 619 - 620 (January 27, 1997)

EXAMINER	DATE CONSIDERED	1/25/06
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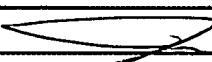
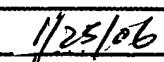
Sheet 5 of 5

INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number: 13615.IUSU2	Application Number: 09/816,876
		Applicant: HOM ET AL.	
		Filing Date: 03/23/2001	Group Art Unit: 1645

		Vazquez, M. et al., "Inhibitors of HIV-1-Protease Containing the Novel and Potent (R)-(Hydroxyethyl)sulfonamide Isostere", <i>Journal of Medicinal Chemistry</i> , Vol. 38, No. 4, pp. 581 - 584 (February 17, 1995)
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